Form GE: Geothermal Electric Systems
Utah Renewable Energy Systems Tax Credit
Investment Tax Credit Certification

This form must be completed by all applicants seeking Utah tax credits for a geothermal system that produces electricity and has a generating capacity of less than 660 kilowatts.

Taxpayer Name

Social Security Number or Federal ID Number

What technology does your geothermal electric system use?:

Dry steam ☐ Flash steam ☐ Binary cycle ☐

Number of production wells Depth

Number of injection wells Depth

Make and model of turbine used

Turbine Capacity (kW)

The system produces electricity for:

On-site use ☐ Sale to utility ☐ Both ☐

Does your geothermal electric system feed power into a building's electrical system? Yes ☐

If not, explain how the power is used

Is the building for which you are providing power connected to a utility's electrical grid?

Yes ☐ (Application must include interconnection agreement)

No ☐

If no, how far is the building from the nearest utility power lines?

Does your geothermal electric system include batteries?

Yes ☐ No ☐

If yes, enter the make and model

Number of batteries Volts Amps per battery

Total cost of your geothermal electric system

Total eligible geothermal electric equipment cost (see instructions)

Total eligible geothermal electric installation and other costs (see instructions)

Total eligible geothermal electric cost (sum of equipment, installation, and other)

Enter amount of credit claimed for the geothermal electric system above (see instructions)

Utah Renewable Energy Systems Tax Credit
Investment Tax Credit Certification
Form GE: Geothermal Electric Systems

Vertical Bore Well Driller Information (see instructions)

Name

Street Address

Town/City State Zip

Phone

Utah Well Driller's License No.

I certify that I drilled the vertical bores for the geothermal heat pump system described in Forms A and GHP of this application. I further certify that I am licensed by the Utah Division of Water Rights as a well driller and that the wells drilled for this system were approved by the Division of Water Rights.

Signature Date

Project Designer Information (see instructions)

Name

Street Address

Town/City State Zip

Phone

Contractor License Number License Type

Designer is (check all that apply): A Utah Professional Engineer ☐

A Certified Energy Manager ☐

I certify that I designed the geothermal electric system described in Forms A and GE of this application. I further certify that I currently hold the credentials indicated above.

Signature Date

System Certification (see instructions)

Name of Certifier

Street Address

Town/City State Zip

Phone

Contractor or Inspector License Number

License Type

I certify that I have inspected the geothermal electric system described on Forms A and GE of this application. I further certify that upon inspecting this system I have found it to be a safe system and that it conforms with the National Electric Code and with all other building and safety codes applicable within the state of Utah at this time.

Signature Date

Instructions for Form GE: Geothermal Electric Systems

Total eligible geothermal electric equipment cost: Eligible equipment costs for a geothermal electrical system are limited to components up to the point of interconnection with AC service when powering a building, or up to the point of interconnection with the electrical grid for systems intended solely for the sale of power. Eligible equipment costs include production and injection wells and well casings, wellhead pumps, and turbine generators. In addition, flash tanks (flash steam systems), heat exchangers (binary cycle systems), condensers, cooling towers, associated wiring and disconnects, and associated pumps are eligible.

Batteries and charge controllers are eligible only for systems that are not connected to a utility's electrical grid and are more than one-quarter mile from an electric utility's service lines.

Total eligible geothermal electric installation and other costs: Design costs for a geothermal electrical system are eligible but only for the cost of integrating the eligible components of the system that are listed under eligible equipment costs above. Tax credit applications should separate design costs for the geothermal and conventional components of the system. Costs for studies to characterize a geothermal resource are eligible so long as a final system using the geothermal resource is built and placed into operation. Costs incurred for the drilling of wells are eligible if such wells are actually used (whether for withdrawal or reinjection of water) within the final geothermal electrical system. The costs of exploratory wells that are not used within the final system are not eligible.

Enter amount of credit claimed for the geothermal electric system above: To calculate the amount of credit to claim, begin with the total eligible costs entered immediately above. Subtract out the amount of any grants or rebates you may have received for installing the system. (Note: Do not subtract any federal tax credit amounts you received or may receive.) For a residential system, multiply this amount by 0.25. If this amount is less than $2,000, enter this number, otherwise enter $2,000. For a commercial system, multiply total eligible costs (minus grants or rebates) by 0.10. If this amount is less than $50,000, enter this number, otherwise enter $50,000.

Vertical Bore Well Driller Information: If your system includes any well more than 30 feet in depth, drilling must be performed by a water well driller licensed by the Utah Division of Water Rights. All such wells, whether water is returned to the ground through a recharge well or used or discharged at the surface, require an approved water right certification issued by the Utah state engineer in the Division of Water Rights, Department of Natural Resources. The well driller must certify that these requirements have been met by signing Form GE where indicated.

Project Designer Information: In order to be eligible for tax credits, a geothermal electric system must have been designed by one of the following:

1. A Professional Engineer licensed in Utah; or
2. A person designated as a "Certified Energy Manager" by the Association of Energy Engineers.

The system designer must certify that he/she has the appropriate credentials and that these requirements have been met by signing Form E where indicated.

System Certification: In order to be eligible for a residential or commercial tax credit, a geothermal electric system must be certified for safety by either

1. A professional electrician licensed by the State of Utah;
2. A county or municipal building inspector licensed by the State of Utah.

The system certification section must be completed and signed by a person in one of the two categories above in order for you to receive a tax credit for a geothermal electric system.

System Documentation: Form A lists general documentation requirements that apply to all renewable energy systems. In addition to those requirements, documentation submitted for a geothermal electric system must include a copy of all required permits for the project, including a water rights certification, and a copy of an interconnection agreement with a local retail electricity provider (if the system is connected to the electrical grid).